Panasonic

Operating Instructions

2.4 GHz Cordless Answering System

Model No. **KX-TG2130**

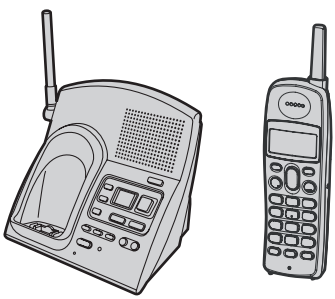


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This unit is compatible with Caller ID. To use this feature, you must subscribe to the appropriate service offered by your telephone service provider.

Charge the handset battery for 12 hours before initial use.

Please read these Operating Instructions before using the unit and save for future reference.

For assistance, visit our website:

http://www.panasonic.com/help for customers in the U.S.A. or Puerto Rico.

Introduction

Thank you for purchasing a Panasonic cordless telephone.

We recommend keeping a record of the following information for future reference.

Serial No. _____ Date of purchase _____

(found on the bottom of the base unit)

Name and address of dealer _____

Attach your purchase receipt here.

About these operating instructions

Symbols used in these operating instructions

Symbol	Meaning
【 】: button name **Example:** Unit keys: **【↷】**, **【OFF】**	The words in the brackets indicate button names on the handset and base unit.
Example: "**LANGUAGE**"	The words in quotations indicate the menu on the display.
Handset: **【▲】【▼】**	Press up or down on the handset CID/VOL. button.

Accessory information

Included accessories

No.	Accessory item	Order number	Quantity
①	AC adaptor	PQLV203V	1
②	Telephone line cord	PQJA10075Z	1
③	Battery	P-P504	1
④	Handset cover	PQYNTG2120W	1

① ② ③ ④



Additional/replacement accessories

Accessory item	Order number
Rechargeable battery	P-P504 or HHR-P501
Headset	KX-TCA86, KX-TCA88HA, KX-TCA91, or KX-TCA92
T-adaptor	KX-J66

Sales and support information

- To order additional/replacement accessories, call 1-800-332-5368.
- TTY users (hearing or speech impaired users) can call 1-866-605-1277.

Important safety instructions

When using the product, basic safety precautions should always be followed to reduce the risk of fire, electric shock, or personal injury.

1. Read all instructions carefully.
2. Follow all warnings and instructions marked on the product.
3. Unplug the product from power outlets before cleaning. Do not use liquid or aerosol cleaners. Use a moist cloth for cleaning.
4. Do not use the product near water, for example near a bathtub, wash bowl, kitchen sink, etc.
5. Place the product securely on a stable surface. Serious damage and/or injury may result if the product falls.
6. Do not cover slots and openings on the product. They are provided for ventilation and protection against overheating. Never place the product near radiators, or in a place where proper ventilation is not provided.
7. Use only the power source marked on the product. If you are not sure of the type of power supplied to your home, consult your dealer or local power company.
8. Do not place objects on the power cord. Install the product where no one can step or trip on the cord.
9. Do not overload power outlets and extension cords. This can result in the risk of fire or electric shock.
10. Never push any objects through slots in the product. This may result in the risk of fire or electric shock. Never spill any liquid on the product.
11. To reduce the risk of electric shock, do not disassemble the product. Take the product to an authorized service center when service is required. Opening or removing covers may expose you to dangerous voltages or other risks. Incorrect reassembly can cause electric shock when the product is subsequently used.
12. Unplug the product from power outlets and take to an authorized service center when the following conditions occur:
 A. When the power cord is damaged or frayed.
 B. If liquid has been spilled into the product.
 C. If the product has been exposed to rain or water.
 D. If the product does not work normally by following the operating instructions. Adjust only controls covered by the operating instructions. Improper adjustment may require extensive work by an authorized service center.
 E. If the product has been dropped or physically damaged.
 F. If the product exhibits a distinct change in performance.
13. During thunderstorms, avoid using telephones except cordless types. There may be a remote risk of an electric shock from lightning.
14. Do not use the product to report a gas leak, when in the vicinity of the leak.

SAVE THESE INSTRUCTIONS

CAUTION:

Installation

- Never install telephone wiring during a lightning storm.
- Never install telephone jacks in wet locations unless the jack is specifically designed for wet locations.
- Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.
- Use caution when installing or modifying telephone lines.
- Do not touch the plug with wet hands.
- The AC adaptor is used as the main disconnect device. Ensure that the AC outlet is installed near the product and is easily accessible.

Battery

To reduce the risk of fire or injury to persons, read and follow these instructions.

- Use only the battery(ies) specified.
- Do not dispose of the battery(ies) in a fire. They may explode. Check with local waste management codes for special disposal instructions.
- Do not open or mutilate the battery(ies). Released electrolyte is corrosive and may cause burns or injury to the eyes or skin. The electrolyte may be toxic if swallowed.
- Exercise care when handling the battery(ies). Do not allow conductive materials such as rings, bracelets or keys to touch the battery(ies), otherwise a short circuit may cause the battery(ies) and/or the conductive material to overheat and cause burns.
- Charge the battery(ies) provided, or identified for use with the product only, in accordance with the instructions and limitations specified in this manual.

WARNING:

- To prevent the risk of fire or electrical shock, do not expose the product to rain or any type of moisture.
- Unplug the product from power outlets if it emits smoke, an abnormal smell, or makes an unusual noise. These conditions can cause fire or electric shock. Confirm that smoke has stopped emitting and contact the Panasonic Call Center at 1-800-211-PANA (1-800-211-7262).

Medical

- Consult the manufacturer of any personal medical devices, such as pacemakers or hearing aids, to determine if they are adequately shielded from external RF (radio frequency) energy. (The product operates in the frequency range of 911.171 MHz to 913.066 MHz and 2480.0 MHz to 2482.9 MHz, and the power output is 1 mW (max.).) Do not use the product in health care facilities if any regulations posted in the area instruct you not to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

For best performance

Base unit location/avoiding noise

The base unit and other compatible Panasonic units use radio waves to communicate with each other.
For maximum distance and noise-free operation, we recommend the following:

- Placing the product away from electrical appliances.
- Placing the base unit in a HIGH and CENTRAL location with no obstructions such as walls.
- If you use the handset near a microwave oven which is being used, noise may be heard. Move away from the microwave oven and closer to the base unit.
- If you use the handset near another cordless phone's base unit, noise may be heard. Move away from the other cordless phone's base unit and closer to your base unit.

Environment

- Keep the product away from electrical noise generating devices, such as fluorescent lamps and motors.
- The product should be kept free from excessive smoke, dust, high temperature, and vibration.
- The product should not be exposed to direct sunlight.
- Do not place heavy objects on top of the product.
- When you leave the product unused for a long period of time, unplug the product from the power outlet.
- The product should be kept away from heat sources such as heaters, kitchen stoves, etc. It should not be placed in rooms where the temperature is less than 5 °C (41 °F) or greater than 40 °C (104 °F). Damp basements should also be avoided.
- The maximum calling distance may be shortened when the product is used in the following places: Near obstacles such as hills, tunnels, underground, near metal objects such as wire fences, etc.
- Operating the product near electrical appliances may cause interference. Move away from the electrical appliances.

Routine care

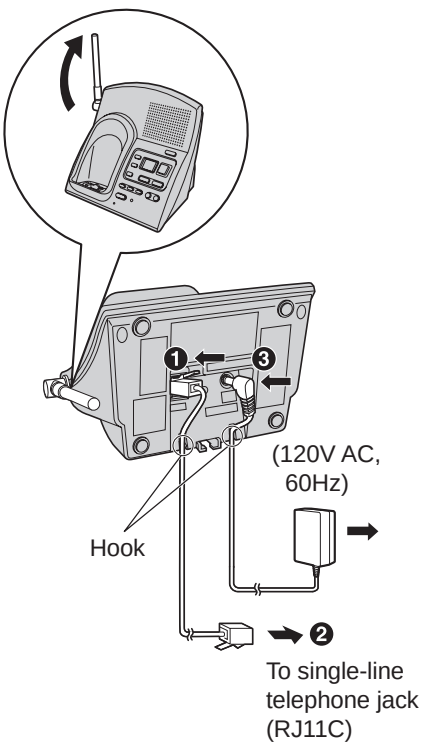
- Wipe the outer surface of the product with a soft moist cloth. Do not use benzine, thinner, or any abrasive powder.

Setting up the base unit

Connecting the AC adaptor and telephone line cord

Connect the telephone line cord until it clicks into the base unit (❶) and telephone line jack (❷). Connect the AC adaptor cord by pressing the plug firmly (❸).

- Use only the included Panasonic AC adaptor PQLV203.



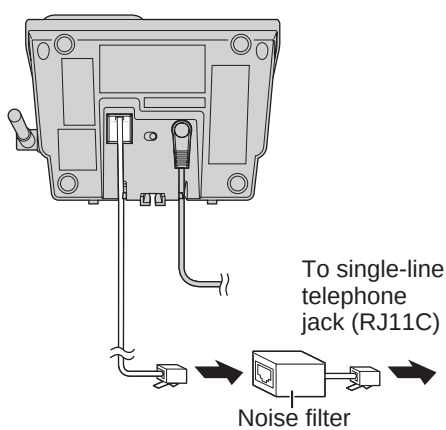
Note:

- The AC adaptor must remain connected at all times. (It is normal for the adaptor to feel warm during use.)
- The AC adaptor should be connected to a vertically oriented or floor-mounted AC outlet. Do not connect the AC adaptor to a ceiling-mounted AC outlet, as the weight of the adaptor may cause it to become disconnected.
- The unit will not work during a power failure. We recommend connecting a corded telephone to the same telephone line or to the same telephone jack using a Panasonic T-adaptor (page 3).

If you subscribe to a DSL service

Please attach a noise filter (contact your DSL provider) to the telephone line between the base unit and the telephone line jack in the event of the following:

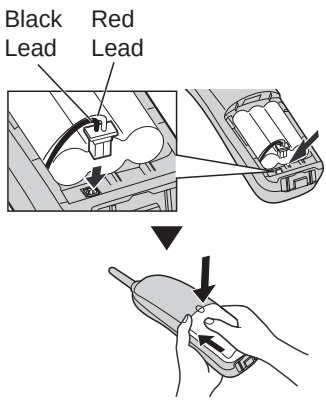
– Noise is heard during conversations.
– Caller ID features (page 18) do not function properly.



Setting up the handset

Battery installation/replacement

Insert the battery plug into the connector as shown in the picture. Then close the handset cover.



- If battery replacement is necessary, press the notch of the handset cover and slide it off. Remove the old battery and replace it with a new one.

Important:

- Use only the rechargeable Panasonic battery noted on page 3.

Attention:



A nickel cadmium battery that is recyclable powers the product you have purchased. At the end of its useful life, under various state and local laws, it is illegal to dispose of this battery into your municipal waste stream. Please call 1-800-8-BATTERY (1-800-822-8837) for information on how to recycle this battery.

Battery charge/Handset registration

Place the handset on the base unit for about **12 hours** before initial use.

- The CHARGE indicator lights.
- The handset should also be placed on the base unit when:
 - the handset does not ring
 - the handset and/or base unit have not been used for a while
 - a power failure occurred



Note:

- To ensure that the battery charges properly, clean the charge contacts of the handset and base unit with a soft, dry cloth once a month. Clean more often if the unit is subject to the exposure of grease, dust, or high humidity.

Recharging the battery

Recharge the battery when:

– "**RECHARGE**" is displayed, "" is displayed, or

– the handset beeps intermittently while it is in use.

Panasonic battery performance

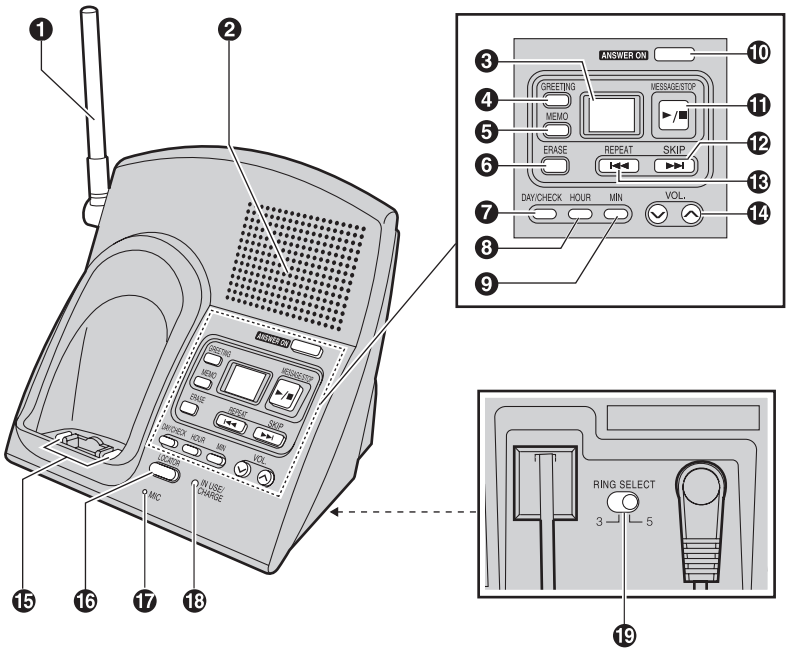
Operation	Operating time
While in use (talking)	Up to 5 hours
While not in use (standby)	Up to 5 days

Note:

- Battery operating time may be shortened over time depending on usage conditions and surrounding temperature.
- Battery power is consumed whenever the handset is off the base unit, even when the handset is not in use. Hence the longer you leave the handset off the base unit, the less time you may actually talk using the handset.
- If the battery is fully charged, you do not have to place the handset on the base unit until "**RECHARGE**" and/or "" are displayed. This will maximize the battery life.

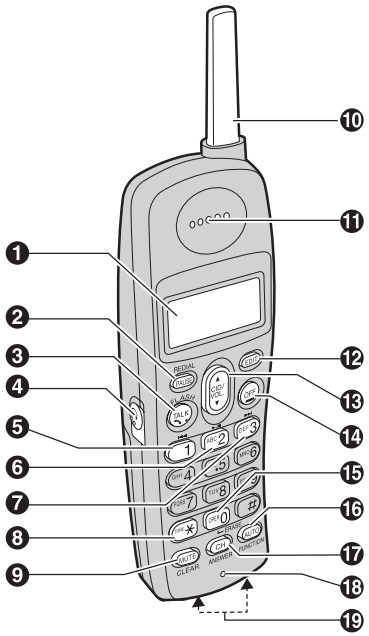
Controls

Base unit



- ❶ Antenna
- ❷ Speaker
- ❸ Display
- ❹ 【GREETING】
- ❺ 【MEMO】
- ❻ 【ERASE】
- ❼ 【DAY/CHECK】
- ❽ 【HOUR】
- ❾ 【MIN】(Minute)
- ❿ 【ANSWER ON】
- ⓫ 【►/■】(【MESSAGE/STOP】)
- ⓬ 【▶▶|】(【SKIP】)
- ⓭ 【|◀◀】(【REPEAT】)
- ⓮ 【∨】【∧】VOL. (Volume)
- ⓯ Charge contacts
- ⓰ 【LOCATOR】
- ⓱ MIC (Microphone)
- ⓲ IN USE indicator
 CHARGE indicator
- ⓳ RING SELECT switch

Handset



❶ Display
❷ 【PAUSE】【REDIAL】
❸ 【↷】(TALK)【FLASH】
❹ Headset jack
❺ 【|◀◀】(Repeat)
❻ 【▶/■】(Message / Stop)
❼ 【▶▶|】(Skip)
❽ 【✳】(TONE)
❾ 【MUTE】【CLEAR】
❿ Antenna
⓫ Receiver
⓬ 【EDIT】
⓭ 【▼】【▲】CID (Caller ID) / VOL. (Volume)
⓮ 【OFF】
⓯ 【ERASE】
⓰ 【AUTO】【FUNCTION】
⓱ 【CH】(Channel)【ANSWER】
⓲ Microphone
⓳ Charge contacts

Base unit display items

Displayed item	Meaning
CL	Flashes when the day and time need to be set.
--	The answering system is off.
F	Flashes when message memory is full.
ΞΞ	Flashes while: – a greeting message or a voice memo is being recorded.*1 – the greeting message is being played back.*1
LA	Flashes while the answering system is being accessed remotely.
An	Flashes while a caller message is being recorded.
L5	Indicated the speaker volume level (example shown here: level 5).

*1 When the answering system is turned off, the display shows "– –".

Programmable settings

You can customize the unit by programming the following features.

Day and time

Set the correct day and time. When you play back a message from the answering system (page 21), the unit announces the day and time it was recorded.

Base unit

1 Press and hold **【DAY/CHECK】** until the current day is announced, then release **【DAY/CHECK】**.

2 Press and hold **【HOUR】** until the current hour is announced, then release **【HOUR】**.

3 Press and hold **【MIN】** until the current minute is announced, then release **【MIN】**.
- If you keep holding down **【MIN】**, the unit begins to announce the minutes by 5-minute intervals. (Example: 20, 25, 30...)

Note:

- If you want to check the current day and time setting, press **【DAY/CHECK】** once without holding.
- If you do not set the day and time, "12:00" and the number of recorded messages are alternately displayed while the answering system is turned on. Day and time announcements for caller message will be incorrect.

Display language

You can select English, Spanish, or French as the display language. The default setting is "ENGLISH".

Handset

1 Press **【FUNCTION】** 2 times until "**LANGUAGE**" is displayed.

2 Select "**ENG**", "**ESP**", or "**FRA**" by using **【▼】** or **【▲】**.

3 Press **【EDIT】**, then press **【OFF】**.

Area code

We recommend storing your area code before using Caller ID. Calls from the same area will be recorded in the caller list without the area code. You do not have to remove it before calling back the caller or storing in the phonebook.

Handset

1 Press **【FUNCTION】** 3 times until "**AREA CODE**" is displayed.

2 Enter your area code (max. 3 digits).

3 Press **【EDIT】**, then press **【OFF】**.

Handset ringer tone

You can change the ringer tone heard when an outside call is received. There are 3 ringer tones. The default setting is "**RINGER TONE: 1**".

Handset

1 Press **【FUNCTION】** 4 times until "**RINGER TONE**" is displayed.

2 Select the desired ringer tone by using **【▼】** or **【▲】**.

3 Press **【EDIT】**, then press **【OFF】**.

Handset ringer on/off

You can turn the ringer on/off. The default setting is "**ON**".

Handset

1 Press **【FUNCTION】** 5 times until "**RINGER**" is displayed.

2 Select "**ON**" or "**OFF**" by using **【▼】** or **【▲】**.

3 Press **【EDIT】**, then press **【OFF】**.

Note:

- When the ringer is set to off, the handset does not ring for outside calls.

Dialing mode

If you cannot make calls, change this setting according to your telephone line service. The default setting is "**TONE**".
"**TONE**": For tone dial service.
"**PULSE**": For rotary pulse dial service.

Handset

1 Press **【FUNCTION】** 6 times until "**DIAL MODE**" is displayed.

2 Select "**TONE**" or "**PULSE**" by using **【▼】** or **【▲】**.

3 Press **【EDIT】**, then press **【OFF】**.

Resetting the handset to its default setting

Feature	Default setting
Display language	ENGLISH
Area code	---
Handset ringer tone	RINGER TONE 1
Handset ringer	ON
Dial mode	TONE
Default setting	NO
Handset receiver volume level	Vol. 2

Handset

1 Press **【FUNCTION】** 7 times until "**DEFAULT**" is displayed.

2 Select "**YES**" or "**NO**" by using **【▼】** or **【▲】**.

3 Press **【EDIT】**.

Note:

- The following items are retained:
 - Redial number
 - Caller list
 - Phonebook items
 - Day and time setting
 - Greeting message
 - Voice memos
 - Caller messages
 - Ring count setting
 - Remote code

Making calls

1 Lift the handset and dial the phone number.
- To correct a digit, press **【CLEAR】**.

2 Press **【📞】**.

3 When you finish talking, press **【OFF】** or place the handset on the base unit.

Note:
- If an alarm tone sounds in step 2, move closer to the base unit or place the handset on the base unit, and try again.
- If additional dialing is necessary after using speed dialing functions such as phonebook dialing or REDIAL, wait until speed dialing is finished to continue further dialing. Otherwise, the unit may not dial properly.

If noise interferes with the conversation

Press **【CH】** to select a clearer channel while talking or move closer to the base unit.

Note:
- You cannot use this feature while listening to messages using the handset.

To redial after confirming the last number dialed

Press **【REDIAL】**, then press **【📞】**.

To select the receiver volume (4 levels)

Press **VOL. 【▼】** or **【▲】** repeatedly while talking.

PAUSE button (for PBX/long distance service users)

A pause is sometimes required when making calls using a PBX or long distance service.

For example, if you need to dial the line access number “9” when making outside calls with a PBX:

1 Press **【9】**, then press **【PAUSE】**, then dial the phone number.

2 Press **【📞】**.

Note:
- A 3.5 second pause is inserted each time **【PAUSE】** is pressed. Press repeatedly to insert longer pauses.

Answering calls

When a call is being received, the IN USE indicator on the base unit flashes rapidly.

1 Lift the handset and press **【📞】**.
- You can also answer the call by pressing any button except **【OFF】**, **【#】** and **【CH】**. **(Any key talk feature)**

2 When you finish talking, press **【OFF】** or place the handset on the base unit.

Temporary ringer off

While the handset is ringing for an outside call, you can turn the ringer off temporarily by pressing **【#】**.

Useful features during a call

Automatic security code setting

When you place the handset on the base unit for the first time after connecting the AC adaptor, the unit automatically selects one of more than 65,000 security codes.

Mute

While mute is turned on, you can hear the other party, but the other party cannot hear you.

To mute your voice, press **【MUTE】**.

- To return to the conversation, press **【MUTE】**.

For Call Waiting service users

To use Call Waiting, you must subscribe to Call Waiting service of your telephone service provider.

This feature allows you to receive calls while you are already talking on the phone. If you receive a call while on the phone, you will hear a Call Waiting tone. Please contact your telephone service provider for details and availability of this service in your area.

Press **【FLASH】** to answer the 2nd call after the tone.

- To switch between calls, press **【FLASH】**.

Temporary tone dialing (for rotary/ pulse service users)

You can temporarily switch the dialing mode to tone when you need to access touch tone services (for example, answering services, telephone banking services, etc.).

Press **【✳】** (TONE) before entering access numbers which require tone dialing.

Handset locator

You can locate the handset or page the handset user with beep tones from the base unit.

1 **Base unit:**
Press **【LOCATOR】**.

- The IN USE indicator flashes. The handset beeps for 1 minute and "**PAGING**" is displayed on the handset.

2 **Base unit:**
To stop paging, press **【LOCATOR】** again.
Handset:
To stop paging, press **【OFF】**.

Handset phonebook

You can add up to 10 items to the handset phonebook and search for phonebook items by name.

Storing names and numbers

1 Press **【FUNCTION】**.

2 Press a memory station number **【0】** to **【9】**.
- You can also select the desired memory station by using **【▼】** or **【▲】**.
- If an item is already stored, that information is displayed.
- The memory station number **【1】** is shown as "**01**", and **【0】** is shown as "**10**" in the phonebook.

3 Press **【EDIT】**.

4 Enter the name (max. 15 characters), using the dialing buttons **【1】** to **【9】**, **【▼】** or **【▲】**.
- If a name is not required, press **【EDIT】** and go to step 6.

5 Press **【EDIT】**.

6 Enter the phone number (max. 24 digits) using the dialing buttons **【0】** to **【9】**, **【▼】** or **【▲】**.
- If a pause is required for dialing, **【PAUSE】** can be stored in a phone number counting as one digit.
- When you want to store the last number dialed, first press **【REDIAL】** instead of entering the phone number.

7 Press **【EDIT】**.

Character table for entering names

Key	Character			
【1】	Space	–	✳	!
【2】	A	B	C	(
【3】	D	E	F	)
【4】	G	H	I	"
【5】	J	K	L	’
【6】	M	N	O	;
【7】	P	Q	R	S
【8】	T	U	V	?
【9】	W	X	Y	Z
【▼】	To move the cursor to the left			
【▲】	To move the cursor to the right			

- To enter another character that is located on the same dial key, first set the currently selected character by pressing either **【✳】**, **【0】**, or **【#】**.

Editing/correcting a mistake

Press **【▼】** or **【▲】** to move the cursor to the character or number you want to erase, then press **【CLEAR】**. Enter the appropriate character or number. Each time you press **【CLEAR】**, a character under the cursor is erased.
- Press and hold **【CLEAR】** to erase all characters or numbers.

Finding and calling a handset phonebook item

1 Press **【FUNCTION】**.

2 Press **【▼】** or **【▲】**.
- The last item or first item is displayed.

3 Press 【▲】 to scroll up from the memory station "**01**", or 【▼】 to scroll down from the memory station "**10**".
- You can also find the items using the memory station numbers 【0】 to 【9】 directly.
- The memory station number 【1】 shows "**01**", 【0】 shows "**10**" on the display.

4 Press 【☎】.

Note:
- If "**EMPTY**" is displayed in step 2, no item is stored in the memory station.
- If the phone number is more than 12 digits, the whole number has not been shown. The remaining numbers are displayed alternately.

Editing items in the handset phonebook

1 Press 【FUNCTION】.

2 Select the desired item by using 【▼】 or 【▲】.
- You can also find the items using the memory station numbers 【0】 to 【9】 directly.

3 Press 【EDIT】.

4 Edit the name using the dial key, 【▼】 or 【▲】 (max. 15 characters).

5 Press 【EDIT】.

6 Edit the phone number using the dial key, 【▼】 or 【▲】 (max. 24 digits).

7 Press 【EDIT】.

Erasing an item in the handset phonebook

1 Press 【FUNCTION】.

2 Select the desired item by using 【▼】 or 【▲】.
- You can also find the items using the memory station numbers 【0】 to 【9】 directly.

3 Press 【CLEAR】.

Erasing all items in the handset phonebook

1 Press 【FUNCTION】.

2 Review phonebook items by using 【▼】 or 【▲】.

3 Press and hold 【CLEAR】 until "**CLEAR ALL ?**" is displayed.

4 Press 【CLEAR】.

Using Caller ID service

This unit is Caller ID compatible. To use Caller ID features, you must subscribe to Caller ID service of your telephone service provider.

Caller ID features

When an outside call is being received, the calling party's name and telephone number are displayed.
Caller information for the last 40 different callers is logged in the caller list by the most recent call to the oldest.

- Generally caller information is displayed from the 2nd ring.
- If the unit cannot receive caller information, the following is displayed:
 – "**OUT OF AREA**": The caller dialed from an area which does not provide Caller ID service.
 – "**PRIVATE CALLER**": The caller requested not to send caller information.
 – "**LONG DISTANCE**": The caller called you long distance.
 – "**ERROR**": The Caller ID information is interfered with during reception.
- If the unit is connected to a PBX system, caller information may not be received properly. Consult your PBX supplier.
- The name display service may not be available in some areas. For further information, please contact your telephone service provider.

Missed calls

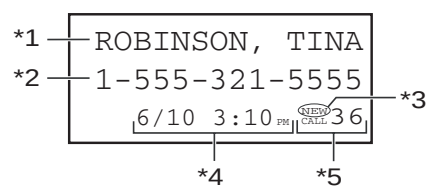
If a call is not answered, the unit treats the call as a missed call. For example, if 10 calls from different parties are missed, "**NEW CALL 10**" is displayed on the handset display. This lets you know if you should view the caller list to see who called while you were out.

Call Waiting Caller ID display

If you subscribe to both Caller ID and Call Waiting with Caller ID services, the 2nd caller's information is displayed after you hear a Call Waiting tone (page 15).
Please contact your telephone service provider for details and availability of this service in your area.

Caller list

What the display means



*1 Name
*2 Phone Number
*3 Shows which calls you have not checked.
*4 The date and time the latest call has been received. (ex. June 10, 3:10PM)
*5 The number of calls which you have received.

Viewing the caller list and calling back

1 Press **[▼]** or **[▲]** to enter the caller list.

2 Press **[▼]** to search from the most recent call, or **[▲]** to search from the oldest call.

3 Press **[]**.

Note:

- If the caller list is empty, you cannot enter the caller list by pressing **[▼]** or **[▲]**.
- Once new calls have been checked, "**NEW**" is not displayed.

Editing a caller's phone number before calling back

You can edit a phone number in the caller list by removing its area code and/or the long distance code "1".

1 Press **[▼]** or **[▲]** to enter the caller list.

2 Select the desired item by using **[▼]** or **[▲]**.

3 Press **[EDIT]** repeatedly until the phone number is shown in the desired format.

① Local phone number

Example: 321-5555

② Area code – Local phone number

Example: 555-321-5555

③ 1 – Area code – Local phone number

Example: 1-555-321-5555

4 Press **[]**.

Note:

- The number edited in the step 3 is not maintained in the caller list.

Storing caller information into the handset phonebook

1 Press **[▼]** or **[▲]** to enter the caller list.

2 Select the desired item by using **[▼]** or **[▲]**.

- To edit the number, press **[EDIT]** repeatedly until the phone number is shown in the desired format.

3 Press **[FUNCTION]**.

4 Press a memory station number **[0]** to **[9]**.

- The memory station number **[1]** is shown as "**01**", and **[0]** is shown as "**10**" in the phonebook.

Erasing selected caller information

1 Press **[▼]** or **[▲]** to enter the caller list.

2 Select the desired item by using **[▼]** or **[▲]**.

3 Press **[CLEAR]**, then press **[OFF]**.

Erasing all caller information

1 Press **[▼]** or **[▲]** to enter the caller list.

2 Press and hold **[CLEAR]** until "**CLEAR ALL CID?**" is displayed.

3 Press **[CLEAR]**.

Answering system

Important:

- Only 1 person can access the answering system at a time.
- When callers leave messages, the unit records the day and time of each message. Make sure the day and time have been set (page 12).
- You cannot operate the answering system during a phone call.
- While a caller message is being recorded, "Rn" and the number of recorded messages are alternately displayed on the base unit.

Memory capacity

The total recording capacity (including your greeting message, voice memos, and caller messages) is about 15 minutes.
A maximum of 59 messages (including voice memos) can be recorded.

- If the message memory becomes full:
 - "F" and the number of recorded messages are alternately displayed while the answering system is turned on.
 - the unit announces "*Memory is full*" after the phone rings 10 times.

 To record additional messages, erase unnecessary messages (page 21).
- Messages are retained even if a power failure occurs.

Turning the answering system on/off

Base unit

Press **【ANSWER ON】** to turn on/off the answering system.

- When the answering system is turned on, the display shows the number of recorded messages.
- When the answering system is turned off, the display shows "– –".

Screening calls

While a caller is leaving a message, you can screen the call through the base unit's speaker.
To adjust the speaker volume, press 【∨】 or 【∧】 repeatedly.

You can also screen the call through the handset by pressing **【ANSWER】**. Press **【ANSWER】** again to turn off call screening from the handset.
To adjust the receiver volume, press **VOL.** 【▼】 or 【▲】 repeatedly.
You can answer the call by pressing 【📞】 on the handset.

Recording your greeting message

You can record your own greeting message (max. 2 minutes) that is played when the answering system answers a call. If you do not record a greeting message, a prerecorded greeting message is used.

Base unit

1 Press and hold **【GREETING】** until recording is finished.

2 After the base unit beeps, speak clearly about 20 cm (8 inches) away from the MIC.

- The message must be more than 3 seconds long to be recorded.

3 To stop recording, release **【GREETING】**.
- The greeting message is played back automatically.

Note:
- If your greeting message is under 3 seconds in length, the prerecorded greeting message is used.

Playing back the greeting message
Quickly press **【GREETING】** once.

Erasing your greeting message
Press **【GREETING】**, and then press **【ERASE】** while your greeting message is playing.

Prerecorded greeting message

The unit plays a prerecorded greeting message for callers and asks them to leave messages if:
– you do not record your own greeting message
– you erase your own greeting message
– your greeting message is under 3 seconds in length

Base unit

To play back the prerecorded greeting message, quickly press **【GREETING】** once. Make sure you erase your own greeting message.

Listening to messages using the base unit

When new messages have been recorded, the number of recorded messages flashes rapidly on the base unit's display.

Press **【►/■】**.
- The unit plays new messages.
- When you have no new messages, the unit plays back all messages.

Note:
- Pressing **【ANSWER】** on the handset switches answering system operations from the base unit to the handset.

Adjusting the speaker volume (8 levels)
Press **【∨】** or **【∧】** repeatedly while listening to a message. (The default setting is "L 5".)

Note:
- You cannot turn the speaker volume off.

Repeating a message
Press **【I◀◀】** during playback.
- If you press **【I◀◀】** 2 times during playback or press **【I◀◀】** once while the unit announces the message number, the previous message is played.
- If you press **【I◀◀】** when you do not play back the messages, the key guidance starts.

Skipping a message
Press **【▶▶I】** during playback.

Stopping a message
To stop playback, press **【►/■】**.

Erasing a message
Press **【ERASE】** during playback.

Erasing all messages
Press and hold **【ERASE】** while the unit is not being used.

Note:
- You cannot erase new, unheard messages.

Listening to messages using the handset

Voice guidance

Press **【ANSWER】** to start the voice guidance. Operate the answering system by following the guidance as necessary.

Note:

- If you do not press any dial keys within 16 minutes after the voice guidance prompt is heard, the handset returns to standby mode.
- While operating the answering system using the handset, you cannot operate the answering system using the base unit.

Answering system commands

You can also operate the answering system by pressing dial keys on the handset during playback.

Key	Command
【1】	Repeat message (during playback)*1
【2】	Play new messages*2
【3】	Skip message (during playback)
【4】	Turn answering system on/off
【7】	Review the remote voice menu again
【0】	Erase currently playing message
【OFF】 【ANSWER】	Return to standby mode

*1 If you press **【1】** 2 times during playback or press **【1】** once while the unit announces the message number, the previous message is played.

*2 When you have no new messages, the unit plays back all messages. To stop playing, press **【2】** again.

Adjusting the receiver volume (4 levels)

Press **VOL. 【▼】** or **【▲】** repeatedly while listening to a message.

Voice memo

Recording a voice memo

You can use the base unit to leave a voice memo (voice message) for yourself or someone else (max. 3 minutes). Voice memos can be played back later with the same operation used to play back answering system messages.

Base unit

1 Press and hold **【MEMO】** until recording is finished.

2 After the unit beeps, speak clearly about 20 cm (8 inches) away from the MIC.

3 To stop recording, release **【MEMO】**.

Remote operation

Using a touch tone phone, you can access your phone from an outside line to listen to recorded messages. The unit's voice guidance prompts you to press certain dial keys to perform different operations. While remotely accessing the answering system, the display shows "L A".

Important:

- In order to remotely access the answering system, you must first set a remote code (page 24). This code must be entered each time you operate the answering system remotely.

Using the answering system remotely

1 Dial your phone number from a touch tone phone.

2 After the greeting message starts, press any dial key (【0】 - 【9】, 【#】, or 【*】) to skip the greeting.

3 After the greeting message stops, enter your 3-digit remote code (page 24).

- The voice guidance starts.
- Follow the voice guidance as necessary.

4 Press a key to select the function you want.

5 When finished, hang up.

Note:

- You can ignore the voice guidance and control the unit using remote commands (page 23).
- If you enter the wrong remote code more than 3 times, the call is disconnected.

Voice guidance

During remote operation, the unit's voice guidance prompts you to press the desired button to perform a specific operation. Operate the answering system by following the guidance as necessary.

Note:

- If you do not press any dial keys within 7 seconds after the voice guidance prompt is heard, the unit disconnects your call.

Remote commands

You can press dial keys to access certain answering system functions without waiting for the voice guidance to prompt you.

Key	Remote command
【1】	Repeat message (during playback)*1
【2】	Play new messages*2
【3】	Skip message (during playback)
【4】	Turn answering system on/off
【7】	Review the remote voice menu again
【0】	Erase currently playing message

*1 If you press 【1】 2 times during playback or press 【1】 once while the unit announces the message number, the previous message is played.

*2 When you have no new messages, the unit plays back all messages. To stop playing, press 【2】 again.

Turning on the answering system remotely

If the answering system is off, you can turn it on remotely.

1 Dial your phone number from a touch tone phone.

2 Let the phone ring 10 times.

3 After the unit picks up the call, enter the remote code, then press **[4]**.
- If you do not enter the remote code within 7 seconds, the unit disconnects your call.
- You can hang up or begin remote operation.

Answering system settings

Remote code

A remote code must be entered when operating the answering system remotely. This code prevents unauthorized parties from listening to your messages remotely. The default setting is "**123**".

Handset

1 Press **[ANSWER]**, then press **[✳]**.

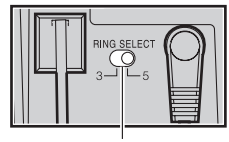
2 Enter the desired 3-digit remote code.

3 Press **[✳]**.
- The digits of the code stored are announced, then the voice guidance starts.

4 Press **[OFF]**.

RING SELECT switch

You can change the number of times (3 rings or 5 rings) the phone rings before the unit answers calls. The default is 5 rings. Change the ring count by adjusting the RING SELECT switch on the bottom of the base unit. (page 10)



RING SELECT switch

For Voice Mail service subscribers

If you subscribe to a flat-rate service package that includes Caller ID, Call Waiting, Voice Mail, and unlimited local/regional/long distance calls, please note the following:
- To use the Voice Mail service provided by your telephone service provider rather than the unit's answering system, turn off the answering system (page 20). This unit does not have an indicator to indicate if there are new messages in your mailbox service.
- To use this unit's answering system rather than the Voice Mail service provided by your telephone service provider, please contact your telephone service provider to deactivate your Voice Mail service.
 If your telephone service provider cannot do this:
 – Set this unit's RING SELECT switch so that this unit's answering system answers calls before the Voice Mail service of your telephone service provider does. It is necessary to check the ring count required to activate the Voice Mail service provided by your telephone service provider before changing this setting.
 – Change the ring count of the Voice Mail service so that the answering system can answer the call first. To do so, consult your telephone service provider.

Headset (optional)

Connecting a optional headset to the handset allows hands-free phone conversations.
We recommend using the Panasonic headset noted on page 3.

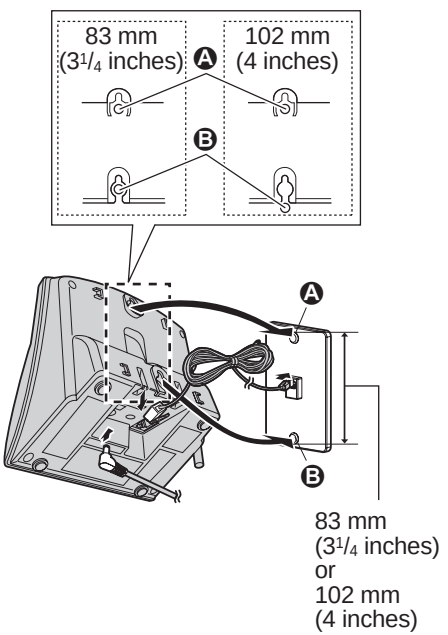


- Headset shown is KX-TCA86.

Wall mounting

Connect the telephone line cord. Mount the unit by inserting the mounting pins into the round openings on the base unit (for pin Ⓑ, use round cut out at the bottom of the base unit if you are using the 4 inches phone plate), then sliding the unit down to secure it. Connect the AC adaptor to power outlet (page 7).

- There are two common types of wall phone plates. The distance between Ⓐ and Ⓑ may vary depending on the size of the wall phone plate installed.



Troubleshooting

General use

Problem	Cause/solution
The unit does not work.	● Make sure the battery is installed correctly and fully charged (page 8). ● Check the connections (page 7). ● Unplug the base unit's AC adaptor to reset the unit. Reconnect the adaptor and try again. ● Place the handset on the base unit and try again. ● Press 【📞】, then press 【OFF】 and try again.
I cannot hear a dial tone.	● Confirm the telephone line cord is properly connected (page 7). ● Disconnect the unit from the telephone line and connect a known working telephone. If the working telephone operates properly, contact our service personnel to have the unit repaired. If the working telephone does not operate properly, contact your telephone service provider.

Programmable settings

Problem	Cause/solution
While programming, the handset starts to ring.	● A call is being received. Answer the call and start again after hanging up.

Battery recharge

Problem	Cause/solution
I fully charged the battery, but "🪫" continues to display.	● Clean the charge contacts and charge again (page 8). ● The battery may need to be replaced with a new one (page 8).
The handset display is blank.	● Confirm that the battery is properly installed. ● Fully charge the battery (page 8).

Making/answering calls

Problem	Cause/solution
The handset does not ring.	● The ringer is turned off. Turn it on (page 13). ● Place the handset on the base unit.

Problem	Cause/solution
Static is heard, sound cuts in and out. Interference from other electrical units.	● Move the handset and the base unit away from other electrical appliances. ● Move the handset closer to the base unit. ● Press **【CH】** to select a clearer channel in the talk mode. ● If your unit is connected to a telephone line with DSL service, we recommend connecting a noise filter between the base unit and the telephone line jack. Contact your DSL provider for details.
I cannot make a call.	● The dialing mode may be set incorrectly. Change the setting (page 13). ● The base unit is in use. Try again later.
I cannot redial by pressing **【REDIAL】**.	● If the last number dialed was more than 24 digits long, the number will not be redialed correctly. Dial the number manually.
I cannot have a conversation using the headset.	● Make sure that an optional headset is connected properly (page 25).
I cannot make long distance calls.	● Make sure that you have long distance service.
I cannot page the handset.	● The called handset is too far from the base unit. ● The called handset is in use. Try again later.

Caller ID

Problem	Cause/solution
I cannot dial the phone number edited in the caller list.	● The phone number you dialed might have an incorrectly edited pattern (for example, the long distance “1” or the area code is missing). Edit the phone number with another pattern (page 19).
The 2nd caller’s information is not displayed during an outside call.	● In order to use Caller ID, Call Waiting, or Call Waiting Caller ID (CWID), you must first contact your telephone service provider and subscribe to the desired service. After subscribing, you may need to contact your telephone service provider again to activate this specific service, even if you already subscribed to both Caller ID and Call Waiting with Caller ID services (CWID).

Problem	Cause/solution
The handset does not display the caller's name and/or phone number.	● You have not subscribed to Caller ID service. Contact your telephone service provider to subscribe. ● If your unit is connected to any additional telephone equipment such as a Caller ID box or cordless telephone jack, disconnect the unit from the equipment and plug the unit directly into the wall jack. ● If your unit is connected to a telephone line with DSL service, we recommend connecting a noise filter between the base unit and the telephone line jack. Contact your DSL provider for details. ● The name display service may not be available in some areas. Contact your telephone service provider for details. ● Other telephone equipment may be interfering with this unit. Disconnect the other equipment and try again. ● The caller requested not to send caller information (page 18). ● If a call is being transferred to you, the caller information is not displayed. ● Generally, caller information is displayed from the 2nd ring.

Answering system

Problem	Cause/solution
I cannot listen to messages from a remote location.	● A touch tone phone is required for remote operation. ● Enter the remote code correctly (page 24). ● The answering system is off. Turn it on (page 23).
The unit does not record new messages.	● The answering system is off. Turn it on (page 20, 23). ● The message memory is full. Erase unnecessary messages (page 21). ● If you subscribe to the Voice Mail service, messages are recorded by the telephone service provider not your telephone (page 24).
I cannot operate the answering system.	● Someone is operating the answering system.
I cannot record a greeting message or a voice memo correctly.	● Make sure the answering system is turned on, then press and hold **【GREETING】** or **【MEMO】** firmly until recording is finished. While recording a message, "Ξ Ξ" and the number of recorded messages are alternately displayed.

FCC and other information

This equipment complies with Part 68 of the FCC rules and the requirements adopted by the ACTA. On the bottom of this equipment is a label that contains, among other information, a product identifier in the format US:5GG----------. If requested, this number must be provided to the telephone company.

- Registration No(found on the bottom of the unit)
- Ringer Equivalence No. (REN).....0.0B

A plug and jack used to connect this equipment to the premises wiring and telephone network must comply with the applicable FCC Part 68 rules and requirements adopted by the ACTA. A compliant telephone cord and modular plug is provided with the product. It is designed to be connected to a compatible modular jack that is also compliant.

The REN is used to determine the number of devices that may be connected to a telephone line. Excessive RENs on a telephone line may result in the devices not ringing in response to an incoming call. In most but not all areas, the sum of RENs should not exceed five (5.0). To be certain of the number of devices that may be connected to a line, as determined by the total RENs, contact the local telephone company. For products approved after July 23, 2001, the REN for the product is part of the product identifier that has the format US:AAAEQ##TXXXX. The digits represented by ## are the REN without a decimal point (e.g., 03 is a REN of 0.3).

If this equipment causes harm to the telephone network, the telephone company will notify you in advance that temporary discontinuance of service may be required. But if advance notice isn't practical, the telephone company will notify the customer as soon as possible. Also, you will be advised of your right to file a complaint with the FCC if you believe it is necessary.

The telephone company may make changes in its facilities, equipment, operations or procedures that could affect the operation of the equipment. If this happens the telephone company will provide advance notice in order for you to make necessary modifications to maintain uninterrupted service.

If trouble is experienced with this equipment, for repair or warranty information, please contact a Factory Service Center or other Authorized Servicer. If the equipment is causing harm to the telephone network, the telephone company may request that you disconnect the equipment until the problem is resolved.

Connection to party line service is subject to state tariffs. Contact the state public utility commission, public service commission or corporation commission for information.

If your home has specially wired alarm equipment connected to the telephone

line, ensure the installation of this equipment does not disable your alarm equipment. If you have questions about what will disable alarm equipment, consult your telephone company or a qualified installer.

This equipment is hearing aid compatible as defined by the FCC in 47 CFR Section 68.316.

When you hold the phone to your ear, noise might be heard in your Hearing Aid. Some Hearing Aids are not adequately shielded from external RF (radio frequency) energy. If noise occurs, use an optional headset accessory or the speakerphone option (if applicable) when using this phone. Consult with your audiologist or Hearing Aid manufacturer about the availability of Hearing Aids which provide adequate shielding to RF energy commonly emitted by digital devices.

WHEN PROGRAMMING EMERGENCY NUMBERS AND(OR) MAKING TEST CALLS TO EMERGENCY NUMBERS:
1) Remain on the line and briefly explain to the dispatcher the reason for the call.
2) Perform such activities in the off-peak hours, such as early morning or late evenings.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Privacy of communications may not be ensured when using this phone.

CAUTION:
Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this device.

NOTE:
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
– Reorient or relocate the receiving antenna.
– Increase the separation between the equipment and receiver.
– Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
– Consult the dealer or an experienced radio/TV technician for help.

Some cordless telephones operate at frequencies that may cause interference to nearby TVs and VCRs. To minimize or prevent such interference, the base of the cordless telephone should not be placed near or on top of a TV or VCR. If interference is experienced, move the cordless telephone further away from the TV or VCR. This will often reduce, or eliminate, interference.

Notice

- This product is designed for use in the United States of America. Sale or use of this product in other countries may violate local laws.
- Cet appareil est conçu pour être utilisé aux États-Unis d'Amérique. La vente ou l'emploi de cet appareil dans certains autres pays peut constituer une infraction à la législation locale.
- Este producto está diseñado para usarse en los Estados Unidos de América.
 La venta o el empleo de este producto en ciertos países puede constituir violación de la legislación local.
- 本產品專為美國使用而設。若在其他國家銷售或使用，可能會違反當地法例。
- この製品は、日本国外での使用を目的として設計されており、日本国内での使用は法律違反となります。従って、当社では日本国内においては原則として修理などのサービスは致しかねます。

Specifications

General

Operating environment	5 °C – 40 °C (41 °F – 104 °F)
Frequency	Handset transmit: 911.171 MHz - 913.066 MHz Base unit transmit: 2480.0 MHz - 2482.9 MHz

Base unit

Dimensions	Approx. height 133 mm x width 162 mm x depth 119 mm ($5^{1}/_{4}$ inches x $6^{3}/_{8}$ inches x $4^{11}/_{16}$ inches)
Mass (Weight)	Approx. 342 g (0.75 lb.)
Power consumption	Standby: Approx. 5.0 W Maximum: Approx. 6.7 W
Base RF Power output	94 dBuV/m (max.)
Power supply	AC adaptor (120 V AC, 60 Hz)

Handset

Dimensions	Approx. height 220 mm x width 50.6 mm x depth 40.2 mm ($8^{21}/_{32}$ inches x 2 inches x $1^{9}/_{16}$ inches)
Mass (Weight)	Approx. 214 g (0.47 lb.) with battery
Handset RF Power output	94 dBuV/m (max.)
Power supply	Ni-Cd battery (3.6 V, 600 mAh)

Note:

- Design and specifications are subject to change without notice.
- The illustrations in these instructions may vary slightly from the actual product.

Warranty

PANASONIC CONSUMER ELECTRONICS COMPANY, DIVISION OF PANASONIC CORPORATION OF NORTH AMERICA
One Panasonic Way,
Secaucus, New Jersey 07094

PANASONIC PUERTO RICO, INC.
San Gabriel Industrial Park,
Ave. 65 de Infantería, Km. 9.5,
Carolina, Puerto Rico 00985

Panasonic Telephone Products Limited Warranty

Limited Warranty Coverage

If your product does not work properly because of a defect in materials or workmanship, Panasonic Consumer Electronics Company or Panasonic Puerto Rico, Inc. (collectively referred to as "the warrantor") will, for the length of the period indicated on the chart below, which starts with the date of original purchase ("Limited Warranty period"), at its option either (a) repair your product with new or refurbished parts, or (b) replace it with a new or a refurbished product. The decision to repair or replace will be made by the warrantor.

Parts	Labor
One (1) Year	One (1) Year

During the "Labor" Limited Warranty period there will be no charge for labor. During the "Parts" Limited Warranty period, there will be no charge for parts. You must mail-in your product prepaid during the Limited Warranty period. This Limited Warranty excludes both parts and labor for batteries, antennas, and cosmetic parts (cabinet). This Limited Warranty only applies to products purchased and serviced in the United States or Puerto Rico. This Limited Warranty is extended only to the original purchaser and only covers products purchased as new.

Mail-In Service

For assistance in the continental U.S.A. in obtaining repairs please ship the product prepaid to:

Panasonic Service and Technology Company Customer Service Center
4900 George McVay Drive Suite B Door #12 McAllen, TX 78503

For assistance in Puerto Rico call Panasonic Puerto Rico, Inc. (787)-750-4300 or fax (787)-768-2910.

For Limited Warranty service for headsets if a headset is included with this product please call Panasonic at 1-800-332-5368.

When shipping the unit carefully pack, include all accessories, and send it prepaid, adequately insured and preferably in the original carton. Include a letter detailing the complaint, a return address and provide a day time phone number where you can be reached.

IF REPAIR IS NEEDED DURING THE LIMITED WARRANTY PERIOD THE PURCHASER WILL BE REQUIRED TO FURNISH A SALES RECEIPT/PROOF OF PURCHASE INDICATING DATE OF PURCHASE, AMOUNT PAID AND PLACE OF PURCHASE. CUSTOMER WILL BE CHARGED FOR THE REPAIR OF ANY UNIT RECEIVED WITHOUT SUCH PROOF OF PURCHASE.

Limited Warranty Limits And Exclusions

This Limited Warranty ONLY COVERS failures due to defects in materials or workmanship, and DOES NOT COVER normal wear and tear or cosmetic damage. The Limited Warranty ALSO DOES NOT COVER damages which occurred in shipment, or failures which are caused by products not supplied by the warrantor, or failures which result from accidents, misuse, abuse, neglect, bug infestation, mishandling, misapplication, alteration, faulty installation, set-up adjustments, misadjustment of consumer controls, improper maintenance, power line surge, lightning damage, modification, introduction of sand, humidity or liquids, commercial use such as hotel, office, restaurant, or other business or rental use of the product, or service by anyone other than a Factory Service Center or other Authorized Servicer, or damage that is attributable to acts of God.

THERE ARE NO EXPRESS WARRANTIES EXCEPT AS LISTED UNDER "LIMITED WARRANTY COVERAGE". THE WARRANTOR IS NOT LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS LIMITED WARRANTY. (As examples, this excludes damages for lost time, lost calls or messages, cost of having someone remove or re-install an installed unit if applicable, travel to and from the servicer. The items listed are not exclusive, but are for illustration only.) **ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTY OF MERCHANTABILITY, ARE LIMITED TO THE PERIOD OF THE LIMITED WARRANTY.**

Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the exclusions may not apply to you.

This Limited Warranty gives you specific legal rights and you may also have other rights which vary from state to state. If a problem with this product develops during or after the Limited Warranty period, you may contact your dealer or Service Center. If the problem is not handled to your satisfaction, then write to the warrantor's Consumer Affairs Department at the addresses listed for the warrantor.

PARTS AND SERVICE, WHICH ARE NOT COVERED BY THIS LIMITED WARRANTY, ARE YOUR RESPONSIBILITY.

Customer services

Customer Services Directory

Obtain Product Information and Operating Assistance; locate your nearest Dealer or Service Center; purchase Parts and Accessories; or make Customer Service and Literature requests by visiting our Web Site at:

http://www.panasonic.com/help

or, contact us via the web at:

http://www.panasonic.com/contactinfo

You may also contact us directly at: 1-800-211-PANA (1-800-211-7262), Monday-Friday 9 am to 9 pm; Saturday-Sunday 10 am to 7 pm, EST.

TTY users (hearing or speech impaired users) can call 1-877-833-8855.

Accessory Purchases

Purchase Parts, Accessories and Instruction Books online for all Panasonic Products by visiting our Web Site at:

http://www.pasc.panasonic.com

or, send your request by E-mail to:

npcparts@us.panasonic.com

You may also contact us directly at:
1-800-332-5368 (Phone) 1-800-237-9080 (Fax Only)
(Monday - Friday 9 am to 9 pm, EST.)
Panasonic Service and Technology Company
20421 84th Avenue South, Kent, WA 98032
(We Accept Visa, MasterCard, Discover Card, American Express, and Personal Checks.)

TTY users (hearing or speech impaired users) can call 1-866-605-1277.

Service in Puerto Rico

Panasonic Puerto Rico, Inc.
San Gabriel Industrial Park, Ave. 65 de Infantería, Km. 9.5,
Carolina, Puerto Rico 00985
Phone (787)750-4300, Fax (787)768-2910

If you need assistance with setup or operation

1 Visit our website: http://www.panasonic.com/help

2 Contact us via the web at: http://www.panasonic.com/contactinfo

3 Call us at: 1-800-211-PANA (1-800-211-7262)
TTY users (hearing or speech impaired users) can call 1-877-833-8855.

When you ship the product

- Carefully pack your unit, preferably in the original carton.
- Attach a letter, detailing the symptom, to the outside of the carton.
- Send the unit to Panasonic Service and Technology Company Customer Service Center, prepaid and adequately insured.
- Do not send your unit to Panasonic Consumer Electronics Company listed below or to executive or regional sales offices. These locations do not repair consumer products.

Panasonic Consumer Electronics Company,
Division of Panasonic Corporation of North America
One Panasonic Way, Secaucus, New Jersey 07094

Panasonic Puerto Rico, Inc.
San Gabriel Industrial Park, Ave. 65 de Infantería, Km. 9.5,
Carolina, Puerto Rico 00985

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